

Special Issue

Air Quality in Germany

Message from the Guest Editors

This Special Issue will be dedicated to a multidimensional examination of air quality in Germany. Topics of interest include, but not limited to, the following:

- Policy and Governance: Analyses of EU directive implementation, the effectiveness of *Umweltzonen*, legal rulings, and the interplay between federal and state policies within the framework of the *Energiewende* and *Verkehrswende*.
- Science, Emissions, and Technology: Source apportionment studies and emissions from road traffic, shipping, agriculture, and residential heating. Innovations in monitoring and pollution control technologies.
- Health, Equity, and Economic Impact: Epidemiological studies on exposure–health relationships; assessments of environmental justice and exposure disparities across socioeconomic groups.
- Regional Perspectives and Urban Solutions: Comparative case studies of cities; transformation narratives of industrial regions; and analyses of challenges in rural versus urban settings.
- Future Challenges and Synergies: The air quality implications of climate change, the meteorological influences on air quality, and the role of digitalization and smart city concepts in future air quality management.

Guest Editors

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Deadline for manuscript submissions

25 September 2026



Atmosphere

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 5.4



mdpi.com/si/270226

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About the Journal

Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

Editor-in-Chief

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